We claim:

1	1.	A method, comprising:
2		examining an MPEG stream;
3		identifying packets in the MPEG stream that are associated with navigation
4		points in a playback of the MPEG stream; and
5		placing information on the identified packets in a navigation database.
1	2.	The method of claim 1, wherein:
2		examining an MPEG stream includes examining a transport stream.
1	3.	The method of claim 1, wherein:
2		the navigation database is in a separate file from the MPEG stream.
1	4.	The method of claim 1, wherein:
2		the navigation database is not encoded in the MPEG stream.
1	5.	The method of claim 1, wherein:
2		identifying packets includes identifying packets associated with selected
3		presentation times in the playback.
1	6.	The method of claim 1, wherein:
2		identifying packets includes identifying a packet containing a video I-frame
3		with a presentation time near one of the selected presentation times.

- 1 7. A method, comprising:
- 2 retrieving information on specified packets in an MPEG stream from a
- 3 navigation file that is separate from the MPEG stream; and
- 4 using the retrieved information to navigate the MPEG stream.
- 1 8. The method of claim 7, wherein using the retrieved information to navigate
- 2 includes:
- 3 identifying a point in the MPEG stream identified by the retrieved information:
- 4 processing the MPEG stream starting at the point; and
- 5 presenting at least a portion of the processed MPEG stream.
- 1 9. The method of claim 8, wherein:
- 2 presenting includes presenting video data.
- 1 10. The method of claim 8, wherein:
- 2 presenting includes presenting audio data.
- 1 11. The method of claim 8, wherein:
- 2 identifying a point includes identifying a video I-frame.
- 1 12. A machine-readable medium having stored thereon instructions, which when
- 2 executed by at least one processor cause said at least one processor to perform
- 3 operations comprising:
- 4 examining an MPEG stream;

- identifying packets in the MPEG stream that are associated with navigation 5 6 points in a playback of the MPEG stream; and 7 placing information on the identified packets in a navigation database. 13. The medium of claim 12, wherein: 2 examining an MPEG stream includes parsing packets in the MPEG stream. 14. The medium of claim 12, wherein: 1 the navigation database is in a separate file from the MPEG stream. 2 15. The medium of claim 12, wherein: 2 the navigation database is not encoded in the MPEG stream. 16. The medium of claim 12, wherein: identifying packets includes identifying packets associated with selected 2 presentation times in the playback. 1 17. The medium of claim 12, wherein: identifying packets includes identifying a video I-frame with a presentation time 2 near one of the selected presentation times. 3
- 1 18. An apparatus, comprising:
- 2 a medium to provide an MPEG stream; and

an authoring tool coupled to the medium to examine the MPEG stream and to 3 4 produce navigation information for a navigation file separate from the 5 MPEG stream. 19. The apparatus of claim 18, further comprising: 2 a storage device to store the navigation file. 20. The apparatus of claim 18, further comprising: 1 2 a transmission interface to transmit the navigation file. 21. The apparatus of claim 18, wherein: the authoring tool includes a processor and a computer program. 22. The apparatus of claim 18, wherein: 2 the navigation file includes data identifying specific points in the MPEG stream. 23. The apparatus of claim 18, further comprising: 1 2 a playback component to navigate the MPEG stream based on contents of the 3 navigation file. 24. A system, comprising: 2 a encoder to encode digitized video and audio data into packets in an MPEG 3 stream: a navigation generator coupled to the encoder to: 4 5 examine the MPEG stream;

6		generate navigation information on packets associated with specific
7		presentation points in the MPEG stream; and
8		store the navigation information in a navigation file separate from a file
9		to store the MPEG stream; and
10		a decoder to read and decode portions of the MPEG stream identified by the
11		navigation information.
1	25.	The system of claim 24, further comprising:
2		a player to present the decoded portions of the MPEG stream.
1	26.	The system of claim 24, wherein:
2		the MPEG stream includes timing information for synchronized presentation of
3		the video and audio data.